

# SAFETY DATA SHEET

**ELECTRO 2**

Version No.: 1.5

ISSUED Date: 23/01/2020

ISSUED BY A Whistle & Co Pty Ltd

## 1. IDENTIFICATION

**PRODUCT NAME:** Electro 2

**OTHER NAMES:** Electodry E2  
E2

**USE:** Carpet cleaning rinse

**COMPANY NAME:** A Whistle & Co Pty Ltd

**ADDRESS:** Unit 2, 55 Pacific Highway,  
Bennett's Green NSW 2290 Australia

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**EMERGENCY PHONE NUMBER:** 02 4911 4600

**EMERGENCY ADVICE:** Poisons Information Centre 13 11 26

## 2. HAZARD IDENTIFICATION

### GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).

GHS Classification:

Eye Damage / Irritation: Category 1

Skin Corrosion / Irritation: Category 2

**Signal Word(s):**

DANGER

**Hazard Statement(s):**

H315 Causes skin irritation.

H318 Causes serious eye damage.

**Pictogram(s):**

Corrosion, Exclamation Mark



**Precautionary Statement – Prevention:**

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

**Precautionary Statement – Response:**

P310 Immediately call a Poison Centre or Doctor / physician.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362 Take off contaminated clothing and wash before reuse.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice / attention.

### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Ingredients:**

CHEMICAL NAME	CAS#	PROPORTION
Citric Acid	77-92-9	0 - < 10%
Glycolic Acid	79-14-1	0 - < 5 %
Ingredients determined not to be hazardous		Balance

### **4. FIRST-AID MEASURES**

**Inhalation:**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

**Ingestion:**

DO NOT induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin:**

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

**Eye Contact:**

If in eye, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

**First Aid Facilities:**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor:**

Treat symptomatically.

**Other Information:**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 11 26) or a doctor at once.

### **5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:**

Carbon dioxide, dry chemical, foam, water mist or water spray.

**Hazards from Combustion Products:**

Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

**Specific Hazards Arising from the Chemical:**

This product will burn if exposed to fire.

**Decomposition Temperature:**

Not available

**Fire Fighting Precautions:**

Fire fighters should wear Self Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray must be used to cool down heat exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Emergency Procedures:**

Wear appropriate personal protection equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Collect the material and place into suitable labelled containers. Do not dilute the material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. As a water based product, if split on electrical equipment the product will cause short circuits.

## **7. HANDLING AND STORAGE**

### **Precautions for Safe Handling:**

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well-ventilated area. Keep containers sealed when not in use. Prevent build-up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

### **Conditions for safe storage, including any incompatibilities:**

Store in a cool, dry, well ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Occupational Exposure Limit Values:**

No exposure standards have been established for this material. However, over exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

### **Biological Limit Values:**

No biological limits allocated.

### **Appropriate Engineering Controls:**

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. If the engineering controls are not sufficient to maintain concentrations of vapours / mists below the exposure standards, suitable respiratory protection must be worn.

### **Respiratory Protection:**

If engineering controls are not effective in controlling airborne exposure than an approved respirator with a replaceable vapour / mist filter should be used. Refer to the relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### **Eye Protection:**

Safety glasses with side shields, chemical goggles or full face shield as appropriate should be used. Final choice of appropriate eye / face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform to AS/NZS 1337 – Eye Protection for Individual Applications.

### **Hand Protection:**

Wear gloves of impervious material such as nitrile or neoprene. Final choice of appropriate gloves will vary according to individual circumstances, i.e. methods of handling or according to risk assessment undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational Protective Gloves – Selection, Use and Maintenance.

### **Body Protection:**

Suitable protective work wear, e.g. cotton overalls buttoned at neck and waist recommended. Chemical resistant apron is recommended where large quantities are handled.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Properties	Description	Properties	Description
Form	Liquid	Appearance	Light blue opaque liquid
Colour	Light Blue	Odour	Not available
Decomposition Temperature	Not available	Melting Point	Not available

<b>Boiling Point</b>	90° C	<b>Solubility in Water</b>	Soluble
<b>Specify Gravity</b>	1.0	<b>pH</b>	3.0
<b>Vapour Pressure</b>	Not available	<b>Vapour Density (Air = 1)</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	Not available	<b>Partition Coefficient: n-octanol / water</b>	Not available
<b>Density</b>	Not available	<b>Flash Point</b>	Not available
<b>Flammability</b>	Not flammable	<b>Auto Ignition Temperature</b>	Not applicable
<b>Flammable Limits – Lower</b>	Not applicable	<b>Flammable Limits – Upper</b>	Not applicable

## **10. STABILITY AND REACTIVITY**

### **Chemical Stability:**

Stable under normal conditions of storage & handling.

### **Reactivity and Stability:**

Reacts with incompatible materials.

### **Conditions to Avoid:**

Extremes of temperature.

### **Incompatible Materials:**

Strong oxidising agents.

### **Hazardous Decomposition Products:**

Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

### **Possible Hazardous Reactions:**

Not available.

### **Hazardous Polymerisation:**

Will not occur

## **11. TOXICOLOGICAL INFORMATION**

### **Toxicology Information:**

No toxicity data available for this material. The available acute toxicity data for the ingredients are given below.

### **Acute Toxicity – Oral:**

Glycolic Acid:

LD50 (Rat): 1357 mg/kg

### **Acute Toxicity – Inhalation:**

Glycolic Acid:

LD50 (Rat): 2.52 mg/kg

### **Ingestion:**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

### **Inhalation:**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

### **Skin:**

Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

### **Eye:**

Causes eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

### **Respiratory Sensitisation:**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation:**

Not expected to be a skin sensitiser.

**Germ Cell Mutagenicity:**

Not considered to be a mutagenic hazard.

**Carcinogenicity:**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity:**

Not considered to be toxic to reproduction.

**STOT-Single Exposure:**

Not expected to cause toxicity to a specific target organ.

**STOT-Repeated Exposure:**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard:**

May be fatal if swallowed and enters airways.

## **12. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

No ecological data available for this material.

**Persistence and Degradability:**

Not available.

**Mobility:**

Not available.

**Bioaccumulative Potential:**

Not available.

**Other Adverse Effects:**

Not available.

**Environmental Protection:**

Prevent this material from entering waterways, drains and sewers.

## **13. DISPOSAL CONSIDERATIONS**

**Disposal Methods:**

Disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

## **14. TRANSPORT INFORMATION**

**Road and Rail Transport:**

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code – 7<sup>th</sup> Edition).

**Marine Transport (IMO / IMDG):**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**Air Transport (ICAO / IATA):**

Not classified as Dangerous Goods by the criteria of the International Air Transport Associate (IATA) Dangerous Goods Regulations for transport by air.

**U.N. Number:** None allocated

**U.N. Proper Shipping Name:** None allocated

**Transport Hazard Class(es):** None allocated

**Special Precautions for User:** Not available

**IMDG Marine Pollutant:** No

**Transport In Bulk:** Not available

## **15. REGULATORY INFORMATION**

### **Regulatory Information:**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

### **Poisons Schedule:**

Not scheduled.

## **16. OTHER INFORMATION**

### **Date of preparation or last revision of SDS:**

SDS Date of Preparation: 23 January 2020

Issue Date: 23 January 2020

Supersedes: 1 October 2015

Reason for Update: Review & Correction of Typographical Errors

### **References:**

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

### **Contact Person/Point:**

Technical Manager - Phone: (02) 4911 4600

**END OF SDS**